

Title (en)
METHODS AND APPARATUS FOR SEGREGATION OF PARTICLES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON PARTIKELN

Title (fr)
PROCÉDÉS ET APPAREIL POUR LA SÉGRÉGATION DE PARTICULES

Publication
EP 2427568 A4 20150610 (EN)

Application
EP 09733752 A 20090417

Priority

- US 2009002421 W 20090417
- US 12516808 P 20080423

Abstract (en)
[origin: WO2009131645A2] The disclosure relates to an apparatus for segregating particles on the basis of their ability to flow through a stepped passageway. At least some of the particles are accommodated in a passage bounded by a first step, but at least some of the particles are unable to pass through a narrower passage bounded by a second step, resulting in segregation of the particles. The apparatus and methods described herein can be used to segregate particles of a wide variety of types. By way of example, they can be used to segregate fetal-like cells from a maternal blood sample.

IPC 8 full level
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B01L 3/502715 (2013.01 - US); **B01L 3/502753** (2013.01 - EP US); **G01N 33/491** (2013.01 - EP US); **B01L 2200/0652** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2400/086** (2013.01 - EP US)

Citation (search report)

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Citation (examination)
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WO 2009131645 A2 20091029; WO 2009131645 A3 20100218; CA 2722396 A1 20091029; CN 102083997 A 20110601; CN 102083997 B 20160525; EP 2427568 A2 20120314; EP 2427568 A4 20150610; JP 2011519553 A 20110714; JP 2015213909 A 20151203; JP 2017094327 A 20170601; US 2011065181 A1 20110317; US 2017234851 A1 20170817; US 2018299425 A1 20181018

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US 2009002421 W 20090417; CA 2722396 A 20090417; CN 200980121796 A 20090417; EP 09733752 A 20090417; JP 2011506260 A 20090417; JP 2015106895 A 20150527; JP 2016233503 A 20161130; US 201715586981 A 20170504; US 201815870381 A 20180112; US 91029910 A 20101022